## STRUCTURE G-334

Structures G-334 is situated in the southeast corner of Treatment Cell 3 in the Interior Levee, and serves to control discharges from Treatment Cell 3. G-334 consists of a two-bay reinforced concrete U-shaped spillway provided with two 16 foot-wide vertical lift gates installed on the crest of an ogee-shaped weir. Structure G-334 will be operated in either manual or remote mode.

These structures are located in Palm Beach County and situated south of the STA generally on and surrounding the former Brown's Farm Wildlife Management Area and is positioned immediately west of Water Conservation Area 2A.

### PURPOSE

G-334 provides outflow from Cell 3. Flows will travel in a eastward direction through the Discharge Canal and eventually provide inflows to the Discharge Pump Station G-335

### OPERATION

G-334 can be operated manually or remotely via telemetry from the District's Operations Control Center in West Palm Beach.

### FLOOD DISCHARGE CHARACTERISTICS

| | Design |
|---|---|
| Discharge Rate: | 1,011 cfs |
| Headwater Elevation: | 11.81 ft. NGVD |
| Tailwater Elevation: | 9.54 ft. NGVD |
| Type Discharge: | controlled submerged |

* Design not related to Standard Project Flood

### DESCRIPTION OF STRUCTURE

Crest Shape: Ogee

Weir Crest Elevation: 6.75 ft. NGVD

Design Head: 7.65 ft.

Net Length: 32.0 feet

Number of gates: 2

Gate Width x Height: 16.0ft. x 8.2 ft.

Clearance Elevation: 14.4 ft.

Service Road elevation: 19.50 ft. NGVD

Service bridge elevation: 32.0 ft. NGVD

**Date Acceptance into Service**: June, 1999

**ACCESS:** Access to G-334 from S-6 along the East levee of the Supply Canal. The structures are located between S-6 and S-7.

**HYDRAULIC AND HYDROLOGIC MEASUREMENTS**

Water Level: Telemetry available for headwater/tailwater and calculated flow. Headwater/tailwater staff gauges are available for local monitoring.

Gate Position Recorder: YES

**DEWATERING FACILITIES (per gate):** Needles and needle beams will be used upstream and downstream of the vertical lift gates to permit dewatering for both maintenance and for an emergency temporary closure should it be necessary to remove a gate.